

## Pathway Electrical Engineering

### Kaskaskia College Associate in Engineering Degree

#### Fall Year 1

KC Course		Hours
ENG 101	Rhetoric and Composition I	3
CHEM 111	Chemistry I	5
GEDR 103 <sup>2</sup>	General Eng. Drawing	3
PHLE 110	Logic	3
MATH 166	Analytical Geom & Calc I	5
<b>Total</b>		<b>19</b>

#### Spring Year 1

KC Course		Hours
SPCH 103	Fund. Of Speech	3
MATH 267	Analytical Geom & Calc II	4
PHYS 201	University Physics - I	5
ENG 102	Rhetoric and Composition II	3
PSCI 203	Analytical Mech-Statics	3
<b>Total</b>		<b>18</b>

#### Fall Year 2

KC Course		Hours
PHYS 202	University Physics	5
MATH 268	Analytical Geom & Calc III	3
ECON 205	Prin. Of Economics	3
MATH 210 <sup>2</sup>	Programming for Engineers	3
PSCI 204	Analytical Mech-Dynamics	3
<b>Total</b>		<b>17</b>

#### Spring Year 2

KC Course		Hours
MATH 269	Differential Equations	3
PHYS 210	Electrical Circuit Analysis	3
ANTH 101	Cultural Anthropology	3
BIOL 125	Human Biology	3
PHLE 201	Prof. Ethics of Engineers	3
<b>Total</b>		<b>15</b>

**Associate in Engineering Degree Total<sup>1</sup>** **69**

**Accepted Hours for Bachelor degree** **60**

<sup>1</sup>Additional hours required for AES degree. Students must complete 50% or more of SIUE degree requirements at SIUE.

<sup>2</sup>This course is not required for SIUE but may be required for the AES degree.

### Southern Illinois University Edwardsville Bachelor Degree

#### Summer Year 3

SIUE Course		Hours
ECE 211	Circuit Analysis II	4
<b>Total</b>		<b>4</b>

#### Fall Year 3

SIUE Course		Hours
ECE 282	Digital System Designs	4
ECE 326	Electronic Circuits I	4
ECE 351	Signals and Systems	3
ECE 352	Stochastic Processes	3
MATH 355	Engineering Math	5
<b>Total</b>		<b>19</b>

#### Spring Year 3

SIUE Course		Hours
HLTH XXX	Health Experience	2
ECE 340	Engr. Electromagnetics	3
ECE 365	Control Systems	3
ECE 375	Intro to Communications	3
ECE Elective	ECE Elective I	3
NON-ECE Elective	Non-ECE Tech Elective	3
<b>Total</b>		<b>17</b>

#### Fall Year 4

SIUE Course		Hours
ECE 341	Electromechanical Energy	4
ECE 404	ECE Senior Design I	3
ECE Elective	ECE Elective II	3
ECE Elective	ECE Elective III	3
BICS XXX	Breadth Info & Comm Society	3
<b>Total</b>		<b>16</b>

#### Spring Year 4

SIUE Course		Hours
ECE 405	ECE Senior Design II	3
ECE Elective	ECE Elective IV	3
BFPA	Fine Arts Breadth	3
IE 345	Engineering Economics	3
IS	Interdisciplinary Studies	3
<b>Total</b>		<b>15</b>

**Bachelor of Science Degree Total** **140**

## Pathway Electrical Engineering

NOTE: Students must apply for admission to upper-division classes before starting the junior year at SIUE. The form for 'APPLICATION FOR ADMISSION TO UPPER-DIVISION' must be submitted by the deadline to the academic advisor in the School of Engineering at SIUE.

Students must earn 60 hours from a senior institution for graduation requirements. If students take all SIUE junior and senior level courses, stated above, at SIUE, they will meet this requirement.

Please note: deviating from the planned schedule above may jeopardize this requirement.

**School of Engineering Transfer Credit Advisory Note:** *The University may accept transfer "D" grades; however, in the School of Engineering, a grade of C or better is required in all chemistry, computer science, mathematics, physics, and engineering courses applied to major or minor requirements. A course that transfers in as 1xx, 2xx, 3xx or TRF 1xx; TRF 2xx; TRF 3xx may require a course description and/or syllabus for further evaluation.*